## Haematologica HAEMATOL/2020/260307 Version 3

Perforin gene variant A91V in young patients with severe COVID-19.

Oscar Cabrera-Marante, Edgard Rodríguez de Frías, Daniel E. Pleguezuelo, Luis M. Allende, Antonio Serrano, Rocío Laguna-Goya, María Esther Mancebo, Paloma Talayero, Luis Álvarez-Vallina, Pablo Morales, Maria José Castro-Panete, and Estela Paz-Artal

Disclosures: Declaration sources of funding: This work was supported by FIS-Instituto de Salud Carlos III, Grant Number: COV20/00181.

Contributions: EP-A and OCM designed the study and wrote the paper. ERF, DP, OC-M and AS analyzed electronic records and collected data. LMA, PM, MJC-P built the tables. LA-V helped with the writing of the paper.